

NAME _____

DATE _____

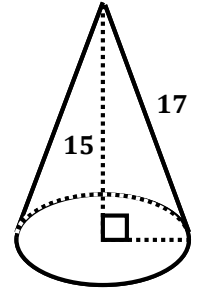
PER. _____

10.5 & 10.7 – LATERAL AREA, TOTAL AREA, & VOLUME OF CONESFor each of the following, find the EXACT *Lateral Area*, *Surface Area*, and *Volume*.

1. LA = _____

SA = _____

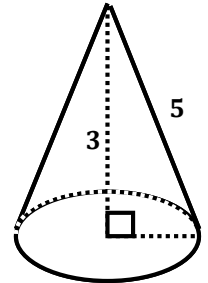
V = _____



2. LA = _____

SA = _____

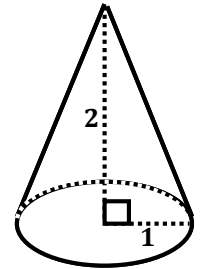
V = _____



3. LA = _____

SA = _____

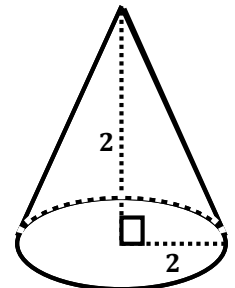
V = _____



4. LA = _____

SA = _____

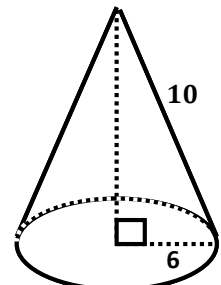
V = _____



5. LA = _____

SA = _____

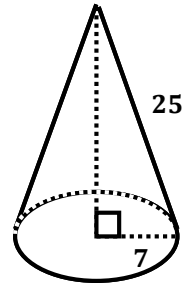
V = _____



6. LA = _____

SA = _____

V = _____



Find the indicated measures.

7. $h =$ _____

LA = _____

SA = _____

V = _____

A cone has a *radius* of 9 cm and a *slant height* of 12 cm.

8. $l =$ _____

LA = _____

SA = _____

V = _____

A cone has a *radius* of 3 in and a *height* of 6 in.

9. $r =$ _____

$l =$ _____

LA = _____

SA = _____

A cone has a *volume* of $2560\pi \text{ cm}^3$ and a *height* of 30 cm.

10. $l =$ _____

$h =$ _____

SA = _____

V = _____

A cone has a *Lateral Area* of $80\pi \text{ in}^2$ and a *radius* of 8 in.